1st & part Bill

Job code: 005-20-000094
Est Cost: 800.00 lakhs

M. A. R. 57 (Rule 116) No. E 535601
Measurement Book

Serial No. .....

Name of work Improvements to road and drains at Kattigenahalli Main and Cross, Sirinagara Nirantara layout, Sri Krishna Garden, Shivashankar layout, Varaha layout Bindu layout and surrounding area in Ward No. 00-05

Name of Contractor of nature of Agency

Date of commencement of work From To

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Work order No: BBMP/EE/BTP/W.O/120/2020-21 dt 29/09/2020.						
	Name of Agency: M/s SMLP Asphalts Prop: B.B. Umesh, Bangalore.						
(1)	Removing and Refixing stone slabs of drains and pointing in C.M (1:3) with all lead & lift as per the direction of Engineer in-charge.						
	(10) Rate 116/m²				Qty	1646.40 m²	
						= 190982.00	

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(2)	Excavation for road drains and similar works Earthwork Excavation by manual means in Ordinary Soil involving an average throw up to 2m and an avg lift up to 0.5m excavated surface leveled and sides neatly dressed the disposed earth to be leveled neatly after breaking of clods etc complete.						
	@ Rate 217/m³					Qty 1058.05 m³ = 229597=00	
(3)	providing granite slabs of selected quality roughly dressed having a size of 7.5 cms thick						

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M. A. R. 57 (Rule 116) **No. E** 535602

Measurement Book

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	and fixed in C.M(1:6) including fixing curing etc compleate. @ Rate 779/m²				Qty - 2008.80 m² = 1564855=50		
④	Providing & laying P.C.C of mix 1:3:6 with 40 m.m & down size graded granite metal Coarse aggregates & fine aggregates in foundation machanically mixed places in foundation & compalted by vibration including curing for 14 days including cost of all materials etc compleate.						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	@ Rate 592/m³				Qty- 8.42 m³	= 47927.200	
(5)	providing & Constructing granite/trap basalt ESM. in foundation with C.M stone hammered dressed in course not less than 20 cms high bond Stones not less than 20, bond stones at 2m, apart in each course including Cost of material labour etc complete						
	@ Rate 72.14/m³				Qty- 22.46 m³		
	514/m³					= 11548.60 = 00	
(6)	providing & laying in position R.C.C 1:2:4 mix 20 m.m down size granite metal coarse aggregate						

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M. A. R. 57 (Rule 116) **No. E** 535603

Measurement Book

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	and fine aggregates machine mixed concreate laid in layers not exceeding 15cm thick well compacted on foundation plinth including cost & all materials labour curing etc complete. @ Rate 6034/m³ Qty - 458.36 m³ = 2765744=50						
(7)	providing & constructing load bearing wall with solid concreate blocks of size 400x150x200 mm. having block density not less than 1800 kg/m³ and having a min. average compressive strength 4N/mm² & constructed with 1:4 mending						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Cost of all materials labour charges Scaffolding Curring etc Compleate @ Rate 1028/m^2					Qty- 3535.52 m^2 = 3634515=00	
(8)	providing & Fixing pre cast- covering slab 150 m.m thick made out of M25 & Jolly 20 m.m down size with steel reinforcement including form work Curring including cost of all materials labour Hire Charges of machinery loading unloading & list- transportation etc Compleate @ Rate 2453/m^2					Qty- 3520.88 m^2 = 8636719=00	

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M. A. R. 57 (Rule 116) No. E 535604

Measurement Book

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions			Contents	Reference to last Measurement
		Number	Length	Breadth / Depth		
1	2	3	4	5 / 6	7	8
(9)	providing & Fixing pre cast- Covering Slabs 250 m.m thick made up- of M25 & Jelly 20 m.m down size with steel reinforcement including form work Curing including cost of all materials labour hire charges of machinery loading Unloading & lift- transportation etc complete. @ Rate 5688/m² Qty- 46.80 m² = 266198=00					
(10)	Excavation for road work in soil with hydraulic excavation of 0.9 m³ bucket- Capacity including					

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Cutting & loading tippers trimming bottom & side slopes in accordance with requirements of lines grades & cross section, & transportation to the embankment location to a lead of 1KM & complete @ Rate 60/m^3					Qty- 6382.27 m^3 = 382936=80	
(11)	Construction of granular Sub-base grading-v by Sub-base & drainage layer by providing coarse graded crushed stone aggregates of granite/trap/basalt materials mixing in a mechanical mix plant at one carriage						

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M. A. R. 57 (Rule 116) **No. E** 535605

Measurement Book

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	57 mixed materials to work site spreading in uniform layers with motor grader on prepared surface & compacting with vibratory power roller to achive 98% proctor density etc complete @ Rate 2095/-m^3					Qty- 3435.03m^3 = 7196388=00	
(12)	providing laying spreading & compacting crushed stone aggregates of granite/trap/basalt to wet-mix macadam specification including premixing						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8	

The materials will be water at OMC in mechanical mix plant carriage of mixed materials will be water at OMC in mechanical mix plant carriage of mixed materials by tipper to site laying in uniform layers will be paver in sub-base/base course on well prepared surface & compacting with vibratory roller to achieve the desired density etc complete.

@ Rate. 2101/m³ qty - 4859.82/m³

= 10210482=00

(13) Providing & applying primer coat with SS. bitumen emulsion on prepared surface of granular base such as WMM including

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M. A. R. 57 (Rule 116) No. E 535606

Measurement Book

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Cleaning of road Surface & Spraying primeral @ the rate of 0.60 kg/m² using mechanical means etc complete @ Rate 30/m²					Qty- 8882.19 m² = 266466=00	
15	providing & applying face coat using 80/100 grade bitumen on the prepared bloac topped surface @ 2.5 kg per 10 m² heating bitumen in boiler fitted with spray set- including cost of all materials labour Hire & machines etc complete						
	@ Rate 13/m²					Qty- 8882.19 m² = 115468=00	

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(16)	providing & laying Dense Graded Bituminous Macadam using Crushed aggregates Specific grading premixed with VG30 grade bitumen binder & transporting the hot mix to work site laying to the required grade level & alignment rolling with Smooth wheeled vibratory & tandem rollers to achive the desired Compaction in all respects etc complete @ Rate 6926/m²					Qty - 444.11/m² = 3075906=00	

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M. A. R. 57 (Rule 116) **No. E**

Measurement Book

535607

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(17)	providing & laying bituminous concreate 40 m.m. like with hot mix plant using crushes aggregates of specified grading premixed with bituminous binder & filler transporting the hot mix to work site laying with a paver finisher to the required grade, level & alignment rolling with smooth wheeled vibratory & tandem rollers to achive the desired compaction in all respect- etc complete						
					Qty - 355.29/m²		
	⑩ Rate 8140/m³					=2892060=00	
						Total Rs. ~~4154376=00~~	

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(18)						Total Rs = 41591103=00	
						Add 12% GST = 4990932=00	
						Grand Total Rs 46582035=00	
2/12/2020	(1) It is certified that the above work done satisfactorially.						
	(2) The above Bill Amount is not claims any of privious Bill.						
2/12/2020						2/12/2020	

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M. A. R. 57 (Rule 116) **No. E**

Measurement Book

535608

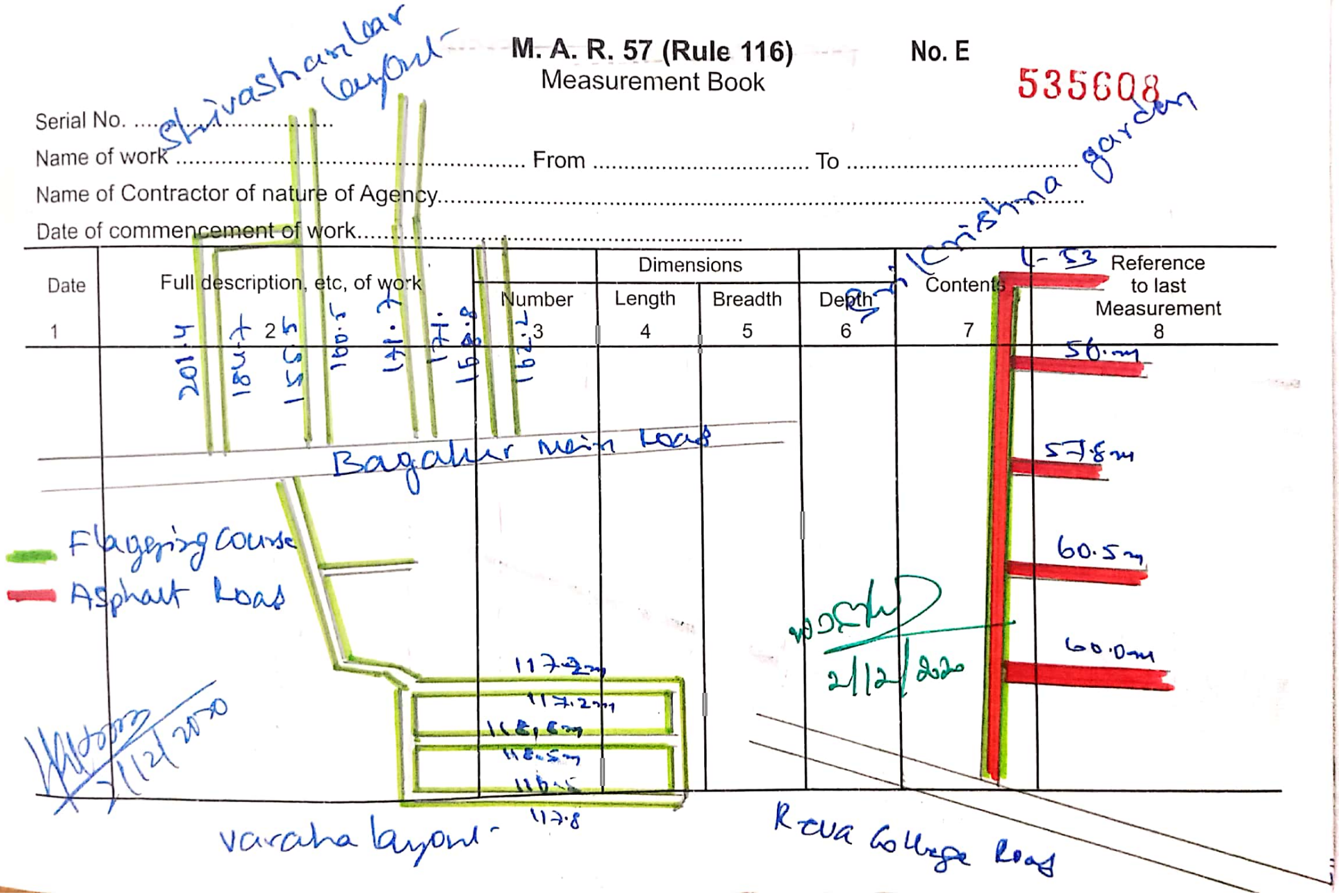
Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions			Contents	Reference to last Measurement
		Number	Length	Breadth	Depth	
1	2	3	4	5	6	7	8



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MEASUREMENT BOOK

Bangalur main Road

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8

Kattigenahalli Village

- Wet mix
- Asphalt Road
- Plugging Course

Kattigenahalli main Road

604 m

2nd main Road

330.m

9.6 m

12 m

12 m

12 m

2/12/2025

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M. A. R. 57 (Rule 116) No. E 535609

Measurement Book

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions			Contents	Reference to last Measurement
		Number	Length	Breadth	Depth	
1	2	3	4	5	6	7	8
	Bindhu layout					Flagging house wet mix - Road
			L-104.4m	91.8	87.3	86.4	66.2	66.6m
		BSF	STS	Road		
24/2/2020						24/2/2020

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Srirangam		63.9 m				
			184	186.8	127.9 m	127.2 m	
	Bagalur Main Road.						

21/12/2020

21/12/2020

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